PTO/SB/08A (04-03)

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Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 2

Complete if Known			
Application Number	10/656,047		
Filing Date	09-05-2003		
First Named Inventor \	Dennis K. Clapper, et al.		
Art Unit			
Examiner Name		******	
Attorney Docket Number	154-23110-CP2		

	<del></del>		U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (3 known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PT		<sup>US-</sup> 2,809,179	10-08-1957	Endres, et al.	
1		<sup>US-</sup> 3,724,547	04-03-1973	Bott, et al.	
	-	<sup>US-</sup> 3,730,271	05-01-1973	Gall	
		<sup>US-</sup> 3,780,806	12-25-1973	Bott	
		<sup>US-</sup> 5,164,433	11-17-1992	Ricci, et al.	
		<sup>US-</sup> 5,346,011	09-13-1994	Onan, et al.	
		<sup>US-</sup> 6,234,251 B1	05-22-2001	Chatterji, et al.	
21		<sup>US-</sup> 6,328,106 B1	12-11-2001	Griffith, et al.	
PI		<sup>US-</sup> 6,401,817 B1	06-11-2002	Griffith, et al.	
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Examiner Ci		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	T
	1.0.	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>8</sup> (# known)	MM-DD-YYYY	- Charles of Global Grant Control of Global Grant Cont	Or Relevant Figures Appear	۲
87		GB 2,074,636 A	11-04-1981	Green, et al.		
		GB 2,131,067 A	06-13-1984	Christopher, et al.		
		EP 0 175 412 A2	03-26-1988	Bol		
		GB 2,304,754 A	03-26-1997	Bryan, et al.		
Ø		GB 2,351,986 A	01-17-2001	Bailey		
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Examiner		Date
Signature	1) Tucktoch	Considered 10/05

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designation form 1449/PTO	Application Number	10/656,047
INFORMATION DISCLOSURE	Filing Date	09-05-2003
STATEMENT BY APPLICANT	First Nam d inv ntor	Dennis K. Clapper, et al.
	Art Unit	
(Use as many sheets as necessary)	Examiner Name	
Sheet 2 of 2	Attorney Docket Number	154-23110-CP2

		NON PATENT LITERATURE DO	CUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title the item (book, magazine, journal, serial, symposium, canumber(s), publisher, city and/or countries.	italog, etc.), date,	page(s), volume-issue	T <sup>2</sup>
PT		C. STOWE, et al., "Laboratory Pore Pressure Trans National Drilling Technical Conference, 2001, pp. 1-			
P		British Combined Search and Examination Report for No. GB 0114390.8, 15 October 2001.	or United Kingdo	m Patent Application	
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<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE

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Sheet

STATEMENT BY APPLICANT
(Use as many sheets as necessary)

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Application Number 10/656,047

Filing Date 9-05-2003

First Named Inventor Halliday

Art Unit 1712

Examiner Name Tucker

Attorney Docket Number 154-23110-US-CIP-2

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
	No.1	Number-Kind Code <sup>2 (f known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
01.		<sup>US-</sup> 4,436,636	03-13-1984	Carnicom	
0		<sup>US-</sup> 4,671,883	06-09-1987	Connell et al.	
W		<sup>US-</sup> 4,740,319	04-26-1988	Patel et al.	
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	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T
		Country Code <sup>3</sup> Number <sup>6</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			۲
P		WO 93/09201	05-13-1993	Union Oil Co.		
0		GB 2 131 067 A	06-13-1984	Doverstrand Ltd		
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Examiner Signature	P. Tucken	Date Considered	10/05

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